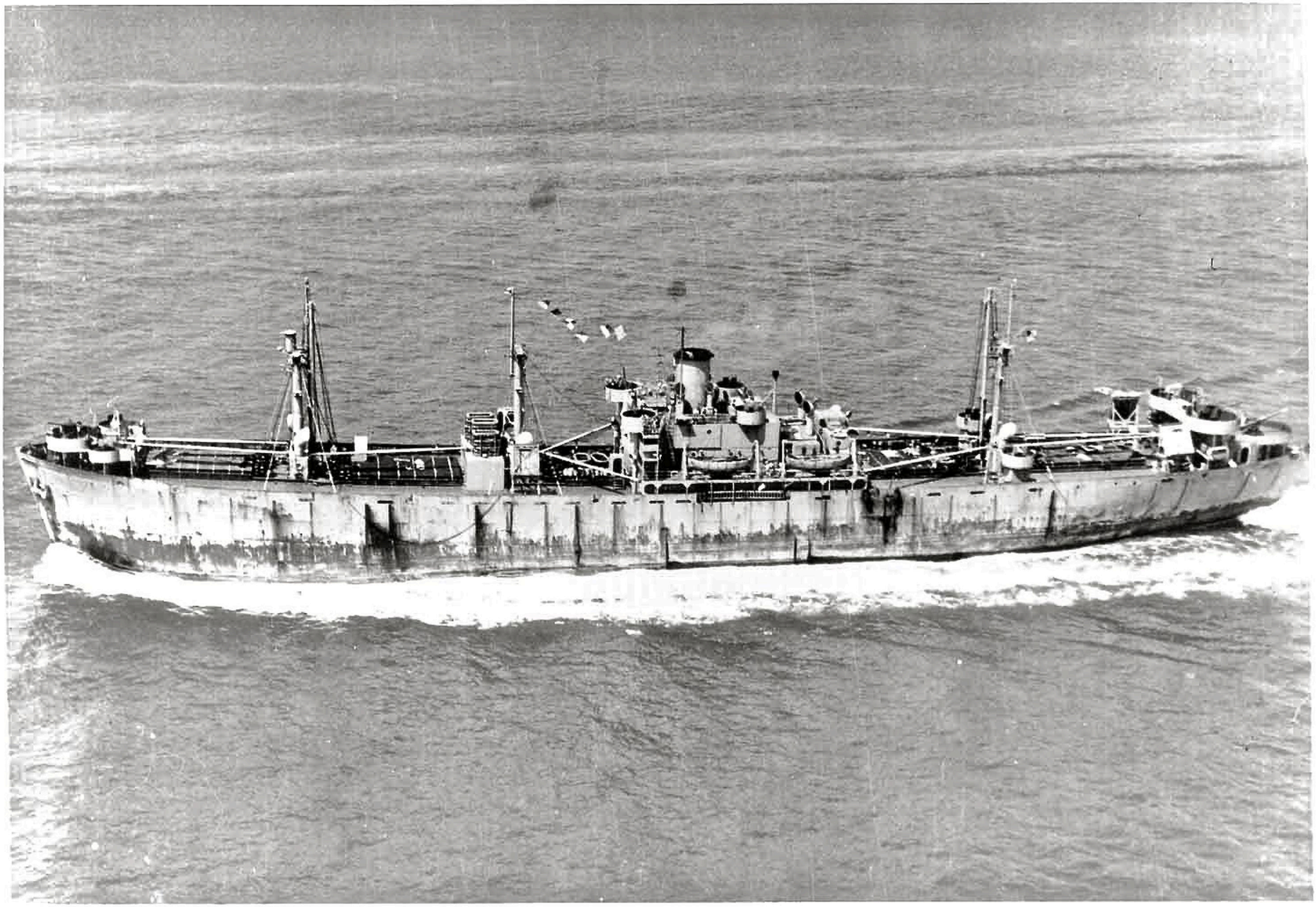
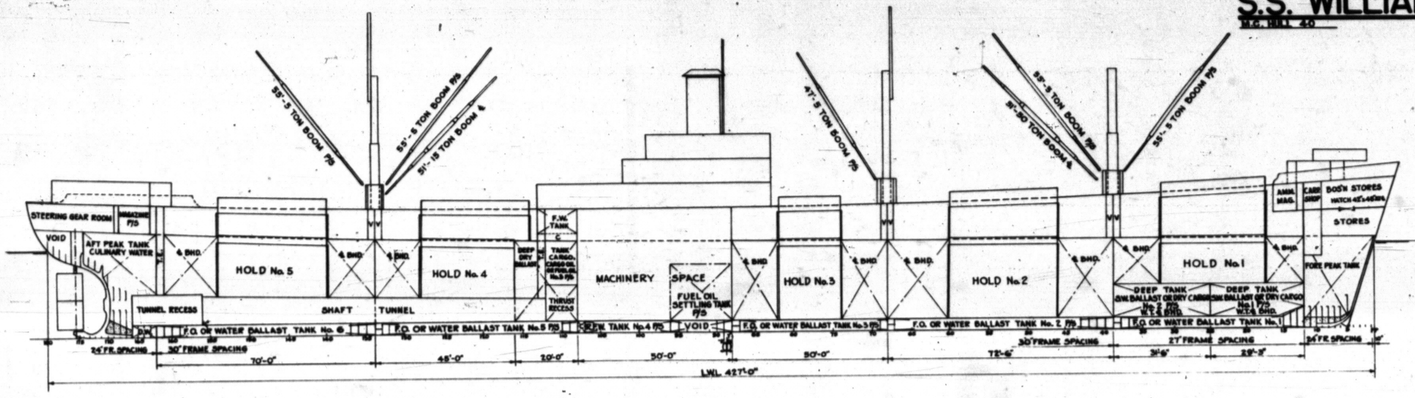
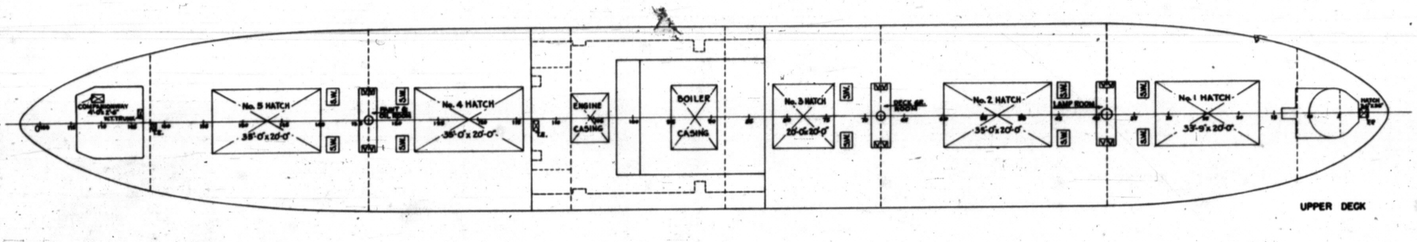


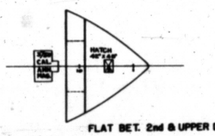
S.S. WILLIAM JOHNSON

M.C. HULL 420 — B.F. HULL 2027

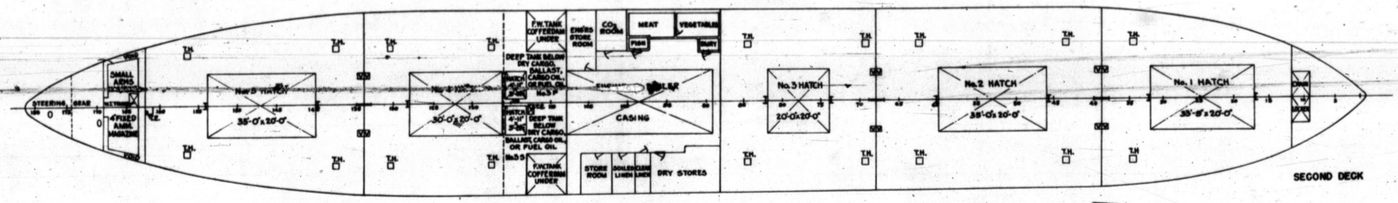




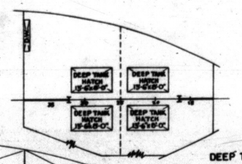
UPPER DECK



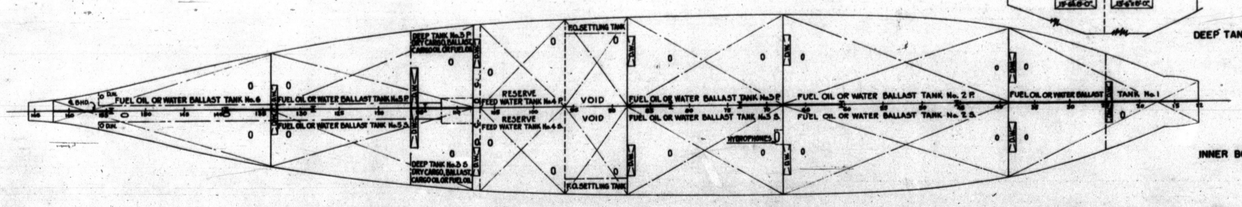
FLAT BET. 2nd & UPPER DKS.



SECOND DECK



DEEP TANK TOP



INNER BOTTOM

ABBREVIATION

T.E.– TUNNEL ESCAPE
T.H.– TRIMMING HATCH
D.W.– DRAIN WELL
S.W.– STEAM WINCH
V. – VENT TRUNK
C. – COFFERDAM

CARGO

COMPARTMENT		GRAIN CAP.	BALE CAP.
		G.F.	G.F.
HOLD No. 1			
	HOLD	41257	39083
	TWEEN DECKS	43143	39585
HOLD No. 2			
	HOLD	98880	92908
	TWEEN DECKS	46744	42830
HOLD No. 3			
	HOLD	68459	59795
	TWEEN DECKS	27970	23904
HOLD No. 4			
	HOLD	58841	52574
	TWEEN DECKS	35277	29669
HOLD No. 5			
	HOLD	58880	51571
	TWEEN DECKS	34870	30864
DEEP TANKS	No. 1P	3639	2729
" "	No. 1S	3639	3004
" "	No. 2P	7473	5294
" "	No. 2S	7473	5578
" "	No. 3P	13674	12508
" "	No. 3S	13186	12024
	TOTAL	562827	499816

WATER BALLAST

TANK		CU. FT.	TONS @ 35 CF
FORE PEAK		5073	145
WATER BALLAST	No. 1	5029	144
" "	No. 2 P	5967	170
" "	No. 2 S.	5967	170
" "	No. 3 P.	4400	126
" "	No. 3 S.	4365	125
" "	No. 5 P	4391	125
" "	No. 5 P	4391	125
" "	No. 6	4118	118
AFTER PEAK-CULINARY WATER		5439	155
DEEP TANKS	No. 1 P	3973	114
" "	No. 1 S.	3973	114
" "	No. 2 P	7340	210
" "	No. 2 S.	7340	210
" "	No. 3 P.	13540	387
" "	No. 3 S.	13085	373
	TOTAL	98370	2811

FRESH WATER

TANK		GAL'S	TONS @ 35 CF
RESERVE FEED	No. 4 P	17855	66
" "	No. 4 S	17855	66
FRESH WATER	FR. 108–113 P	7541	28
" "	FR. 108–113 S.	7541	28
	TOTAL	50792	188

FUEL OIL

TANK		GAL'S	TONS @ 32.7 CF
FUEL OIL TANK	No. 1	36863	132
" " "	No. 2 P	43742	157
" " "	No. 2 S.	43742	157
" " "	No. 3 P	32251	116
" " "	No. 3 S.	31955	115
" " "	No. 5 P	32185	116
" " "	No. 5 S.	32185	116
" " "	No. 6	30183	109
	TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88–96 P.	14083	51
" " "	FR. 88–96 S.	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3 P	99257	356
" "	No. 3 S.	98773	344
	TOTAL	195029	700
	TOTAL (ALL F.O.)	506301	1819

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK F.P. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPP. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88–108)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

PRINCIPAL DIMENSIONS

L.O.A.	441'-7½"
L.B.P. (2.5% W.L.)	416'-0"
BREADTH, MLD.	56'-10⅜"
BREADTH, EXTREME	57'-1¼"
DEPTH TO UPPER DECK, AMIDS.	37'-2"
DEPTH TO SECOND DECK, MLD.	28'-7"
DRAFT	27'-9⅛"

CAPACITIES & TYPES OF WINCHES
7½" DBL. GEARED WINCHES FOR 5 & 15 TON BOOMS
9" SIZE " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK	FOREMAST	FR. 88	40'-3⅞"
" " " "	"	FR. 134	42'-2⅞"
TELESCOPIC " "	"	FR. 88	62'-11⅝"
" " " "	"	FR. 134	62'-2⅞"

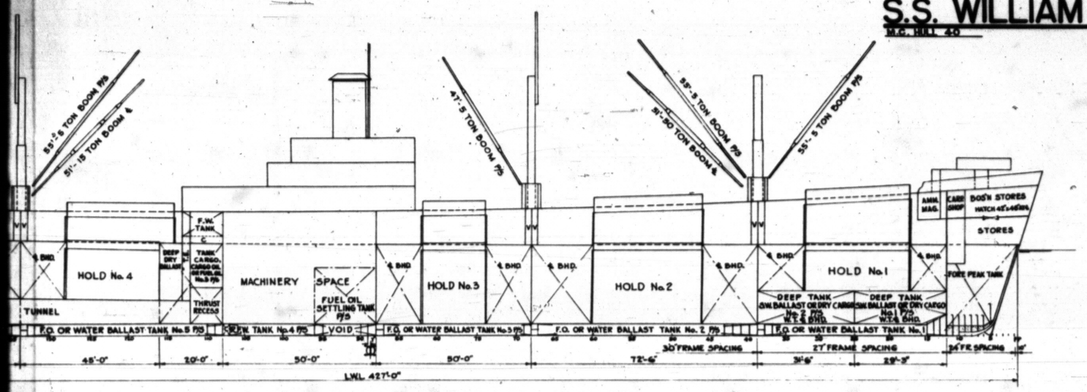
ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.
BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL.

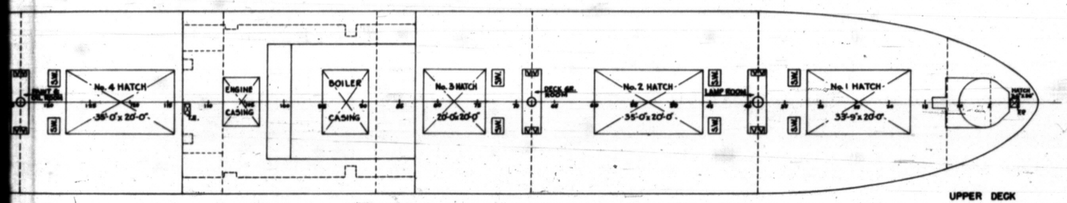
DEADWEIGHT SCALE

DEADWEIGHT S.W.	DRAFT	DISPLACEMENT S.W.	TONS PER INCH
	28		46
10920		14257	27
11000		14000	46.5
	27		46
10000		13000	
	26		47.5
9000		12000	
	25		47
8000		11000	
	24		46.5
7000		10000	
	23		46
6000		9000	45.5
	22		45
5000		8000	
	21		44.5
4000		7000	
	20		44
3000		6000	
	19		43.5
2000		5000	
	18		43
1000		4000	
	17		42.5
0		3000	
	16		42
	15		41.5
	14		41
	13		40.5
	12		40
	11		39.5
	10		39
	9		38.5
	8		38
			33.5

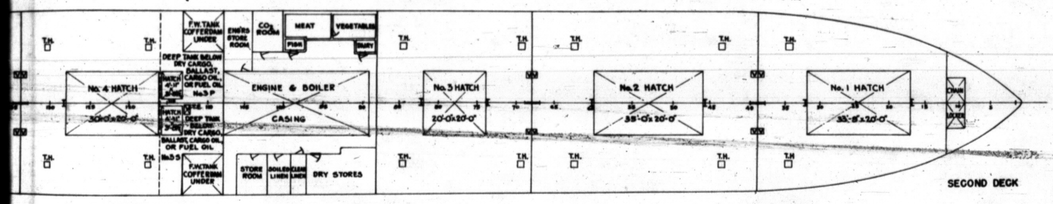
S.S. WILLIAM JOHNSON

M.C. HULL 420 — B.F. HULL 2027

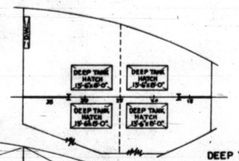




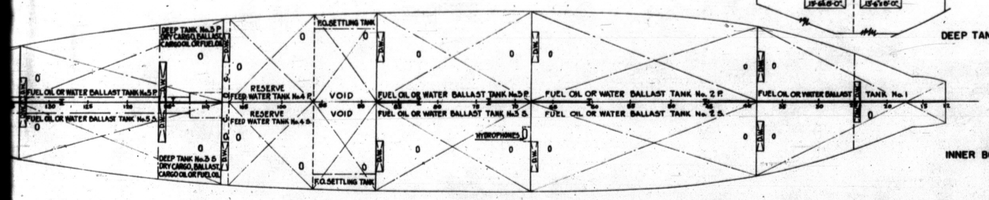
UPPER DECK



SECOND DECK



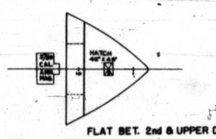
DEEP TANK TOP



INNER BOTTOM

ABBREVIATION

T.E.– TUNNEL ESCAPE
T.H.– TRIMMING HATCH
D.W.– DRAIN WELL
S.W.– STEAM WINCH
V. – VENT TRUNK
C. – COFFERDAM



FLAT BET. 2nd & UPPER DKS.

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK FR. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPP. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

CARGO

COMPARTMENT		GRAIN CAP. CU. FT.	BALE CAP. CU. FT.
HOLD No. 1			
	HOLD	41257	38083
	TWEEN DECKS	43143	39565
HOLD No. 2			
	HOLD	98980	92906
	TWEEN DECKS	46744	42830
HOLD No. 3			
	HOLD	68459	59793
	TWEEN DECKS	27970	23904
HOLD No. 4			
	HOLD	58841	52574
	TWEEN DECKS	35277	29689
HOLD No. 5			
	HOLD	58820	5571
	TWEEN DECKS	34570	30984
DEEP TANKS	No. 1 P.	3639	2729
" "	No. 1 S.	3639	3004
" "	No. 2 P.	7473	5294
" "	No. 2 S.	7473	5579
" "	No. 3 P.	13674	12506
" "	No. 3 S.	13188	12024
	TOTAL	562627	499816

WATER BALLAST

TANK			CU. FT.	TONS @ 35 CF
FORE PEAK			5073	145
WATER BALLAST	No. 1		5029	144
" "	No. 2 P.		5967	170
" "	No. 2 S.		5967	170
" "	No. 3 P.		4400	126
" "	No. 3 S.		4365	125
" "	No. 5 P.		4391	125
" "	No. 5 P.		4391	125
" "	No. 6		4118	118
AFTER PEAK-CULINARY WATER			5438	155
DEEP TANKS	No. 1 P.		3973	114
" "	No. 1 S.		3973	114
" "	No. 2 P.		7340	210
" "	No. 2 S.		7340	210
" "	No. 3 P.		13540	387
" "	No. 3 S.		13065	373
		TOTAL	98370	2811

FRESH WATER

TANK			GAL'S	TONS @ 35 CF
RESERVE FEED	No. 4 P.		17855	66
" "	No. 4 S.		17855	66
FRESH WATER	FR. 108-113 P.		7541	28
" "	FR. 108-113 S.		7541	28
		TOTAL	50792	188

FUEL OIL

TANK			GAL'S	TONS @ 32.5 CF
FUEL OIL TANK	No. 1		36863	132
" " "	No. 2 P.		43742	157
" " "	No. 2 S.		43742	157
" " "	No. 3 P.		32251	116
" " "	No. 3 S.		31955	115
" " "	No. 5 P.		32185	116
" " "	No. 5 S.		32185	116
" " "	No. 6		30183	108
		TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88-96 P.		14083	51
" " "	FR. 88-96 S.		14083	51
		TOTAL	28166	102
CARGO OIL OR FUEL OIL				
DEEP TANK	No. 3 P.		99257	356
" "	No. 3 S.		95772	344
		TOTAL	195029	700
		TOTAL (ALL F.O.)	506301	1819

PRINCIPAL DIMENSIONS

L.O.A. ---------- 441'-7½"
L.B.P. (25°-53/4" W.L.) ---------- 416'-0"
BREADTH, MOLDED ---------- 56'-10⅜"
BREADTH, EXTREME ---------- 57'-1¼"
DEPTH TO UPPER DECK, MLD. ---------- 37'-4"
DEPTH TO SECOND DECK, MLD. ---------- 28'-7"
DRAFT ---------- 27'-9¼"

CAPACITIES & TYPES OF WINCHES
7½" DBL. GEARED WINCHES FOR 5 & 15 TON BOOMS
9" " " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

		FOREMAST	MAINMAST
FIXED MAST ABOVE DECK		40'-3⅝"	42'-11⅝"
" " " "	FR. 68	42'-11⅝"	45'-7⅝"
" " " "	FR. 134	42'-7⅝"	45'-3⅝"
TELESCOPIC " " "		62'-11⅝"	65'-7⅝"
" " " "	FR. 68	62'-11⅝"	65'-7⅝"
" " " "	FR. 134	62'-2⅛"	64'-10⅛"

ENGINE

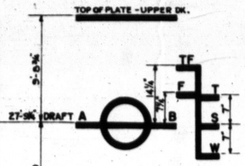
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

BOILERS

TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL.

DEADWEIGHT SCALE

DEADWEIGHT S.W.	DRAFT	DISPLACEMENT S.W.	TONS PER INCH
10920			
11000	28	14257	49
	27	14000	48.5
10000	26	13000	48
	25		
9000	24	12000	47.5
	23		
8000	22	11000	47
	21		46.5
7000	20	10000	46
	19		
6000	18	9000	45.5
5000	17	8000	45
	16		
4000	15	7000	44.5
	14		44
3000	13	6000	
	12		43.5
2000	11	5000	43
	10		42.5
1000	9	4000	42
	8		41.5
0		3337 LIGHT SHIP	



NOTE:
THE LIGHT WEIGHT OF THE SHIP INCLUDES THE 4" GUN AFT., 4- 20 M.M. MACHINE GUNS, 4-30 CALIBER MACHINE GUNS, 3"/50 CALIBER GUN FORWARD & AMMUNITION

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1'-0" — DATE JUNE 12, 1941

DRAWN P.F.R. — APPROVED
TRACED — APPROVED
CHECKED E.F.C. L.F.H. — APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD — BALTIMORE, MD.

M.C.E. PLAN NO 14-63 301-312 S29-1-1-27

APPROVED AS NOTED BY
M.C.E. LETTER DATED JULY 1, 1942
M.C.E. FILE NO. S29-1-1(1)
BY
BY